



Placement Management System

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Abstract:-

The Placement Management System (PMS) is a comprehensive software solution designed to streamline and optimize the process of managing placements within educational institutions and organizations. PMS offers a centralized platform that facilitates the entire placement lifecycle, from employer registration and job posting to candidate application, selection, and placement. The system is equipped with features tailored to the needs of both employers and candidates. Employers can create accounts, post job vacancies, manage applications, and schedule interviews seamlessly. Candidates can register profiles, browse job opportunities, submit applications, and track the status of their applications in real-time. PMS incorporates advanced matching algorithms to efficiently connect candidates with suitable job openings based on their qualifications, skills, and preferences. The system also provides analytics and reporting tools to monitor placement trends, track performance metrics, and generate insightful reports for informed decision-making. With its user-friendly interface, robust functionality, and scalability, the Placement Management System revolutionizes the placement process, saving time, reducing administrative burden, and enhancing the overall efficiency and effectiveness of placement activities.

Index Terms – Component, Placement, Management, HTML, CSS, SQL.

INTRODUCTION

This project is aimed at developing a web application for the Training and Placement Department of the College. The system is a web application that can be accessed throughout the organization with proper login provided. This system can be used as a web application for the Training and Placement Officers (TPO) of the college to manage the student information with regard to placement. Students logging should be able to upload their information in the form of a CV. The key feature of this project is that it is a onetime registration. Our project provides the facility of maintaining the details of the students. It also provides a requested list of candidates to recruit the students based on given query. TPO logging in may also search any information put up by the students. This project will aid colleges to practice full IT deployment. This will also help in fast access procedures in placement related activities.

PURPOSE

Placement Management System manages student information in the college with regard to placement. It improves existing system. It has the facility of maintaining the details of the student, thereby reducing the manual work. It will save time and energy which are spending in making reports and collecting data. Placement Management System can be accessed throughout the college with proper login provided.

SCOPE

Our project has a big scope to do. We can store information of all the students. CV's are categorized according to various streams. Various companies can access the information. Students can maintain their information and can update it. Notifications are sent to students about the companies. Students can access previous information about placement.

PROJECT OBJECTIVE

Computers and information technology has a major influence on the society and the society is becoming more and more dependent on technology. Going on is an era of simplifying almost all complicated works using computers. The last few years have witnessed a tremendous increase in the capabilities and use of computers. Manual processing makes the process slow and other problems such as inconsistency and ambiguity on operations. The proposed system intends user-friendly operations which may resolve ambiguity. By considering all this factors, the applications produced, which performs the social service simply and effectively.

EXISTING SYSTEM

In colleges the records were stored in excel sheets hence sorting the data is always a problem. Data redundancy also occurs due to the duplication of files and records. The placement officer has to find out the eligible students by looking at the excel sheet. He/she has to see the marks of every student and their eligibility. Another problem students face is that they are not made aware of the Training and Placement activity held in their institutions, hence there might have been a loss of opportunities. There is also a large communication gap between students and the placement officers as it is difficult to maintain coordination between them. The existing system is also inefficient as it could not take acknowledgment from the students attending a particular drive. Hence lots of confusion at the last moment also arises. As all this is done manually, there is a lot of workloads on the placement officer. The existing method used for placement management is not computerized. All the records are main- trained manually. The departments or the management carry out this job manually making it more complicated and tedious most of the time. The best solution here is to computerize the current environment.

PROPOSED SYSTEM

To design and implement a web-based placement management system. High-quality placements bring good benefits and positive impacts on students as well as for the colleges. During this process college finds it difficult and time-consuming to collect data from each student. In most cases they collect data manually. Working in a manual system in the colleges requires a lot of manpower and time. The placement management system is an online application that can be accessed throughout the college and outside with proper login details. This system can be used as an application for the placement officer, Hod, faculty coordinator of the college to manage the student information with regards to placement. The student is able to upload their information. The system will be having different types of accounts for different types of users such as placement officers and coordinators, and students. A profile for each student is created with the necessary credentials for the portal. The system uses MySQL for database management

and will sort the data of the student based on eligibility criteria demanded by the respective companies. The main feature of the system is a machine learning application that can predict placement probabilities of

a particular student in different companies based on the previous placement frequency of his/her department, his skill set, marks, and other data available.

SYSTEM DESIGN

The system contains 4 modules as admin module, hod module, tutor module, student module. Each module has the same login page. The login page has a login id and password field. By entering values in that field users should log in to the system.

➤ Admin Module

The Placement officer is the administrator of the system. Admin plays a very crucial role in the system. Admin can log in through a username and password. He/she can maintain the placement activities via the system. Admin can add departments, create new batches, add /delete drives. Students can directly join in the placement drive if interested. Admin can manage the training programs conducted in the college. Admin is also able to analyze the placement activities of each student.

➤ TPO Module

Admin provides access to the head of each department with a username and password. By using this HOD can enter into the system. HOD can upload an excel sheet which has the details of the students in a batch. HOD can view every student's placement status. He can also view the active placement drives and registered students.

➤ Student Module

Every student is given a default username and password, using this he/she can enter the system. Students can fill the necessary details like 10 th grade etc. if interested, students can register for the upcoming drives. The student is also able to attend the online aptitude test being conducted in the system. Based on this aptitude test and other criteria the placement probabilities of a particular student is been predicted.

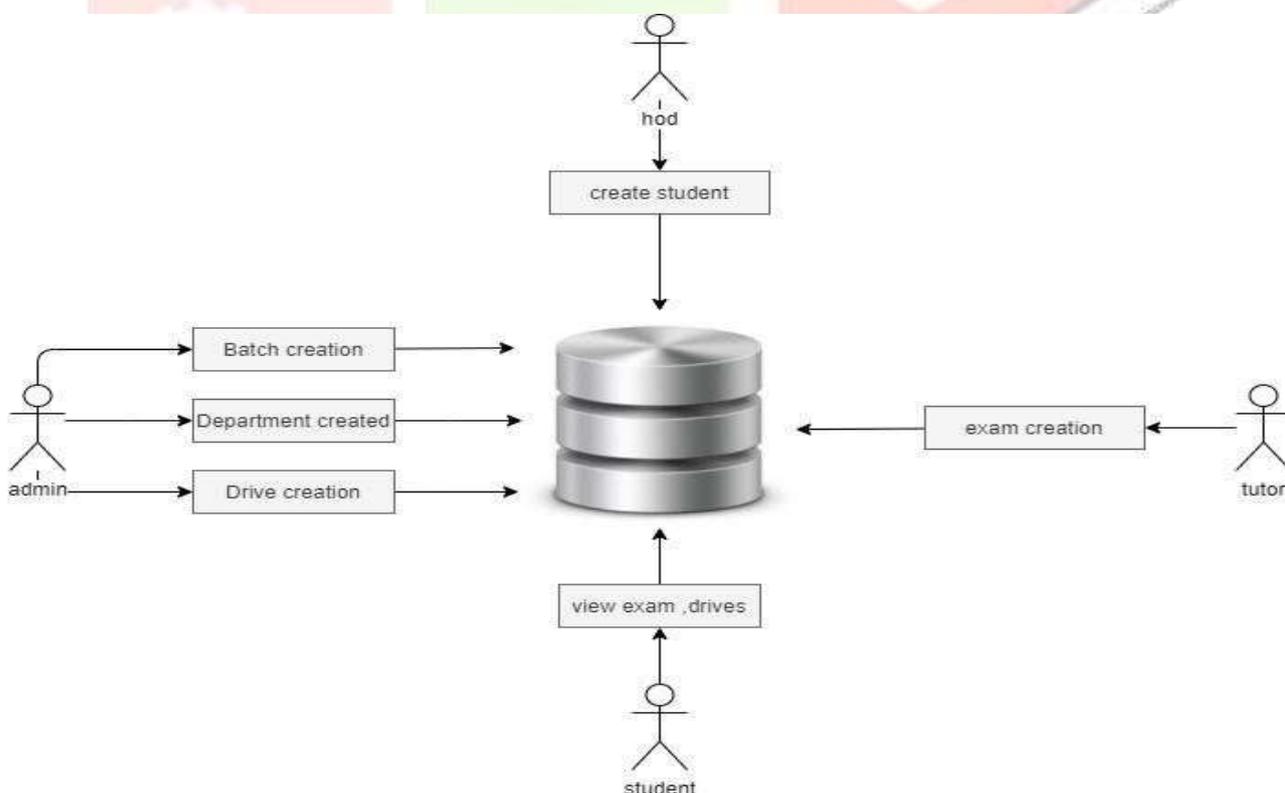


Fig 1 :- Architectural diagram

TECHNOLOGY USED

- HTML
- CSS
- PHP
- MYSQL DB

RESULTS

The login page of the online training and placement management system is shown in the Figure 2. The users can login to the system by using this login form.

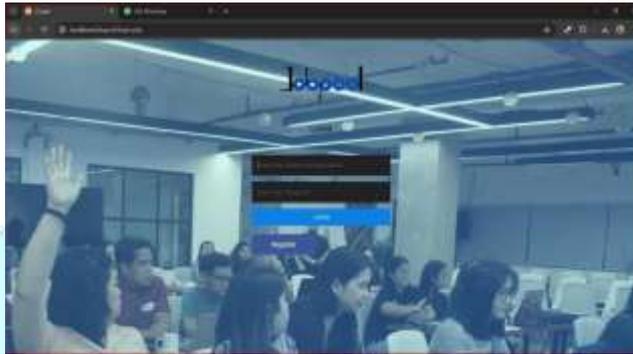


Fig 2:- Login Page

The student dashboard of the system is shown in figure 3. Students can login to this page using the default username and password. They can access their profile, see the upcoming placements and can register if they are eligible.



Fig 3:- Student Login

The admin dashboard is shown in the Figure 4. The admin can do all the necessary work in the options provided to him related to students.

CONCLUSION

A placement management system serves as a crucial platform connecting job seekers with potential employers, streamlining the recruitment process for both parties. Through its user-friendly interface and comprehensive features, it facilitates efficient job search, application submission, and employer engagement, ultimately contributing to successful career placements and organizational growth.

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